
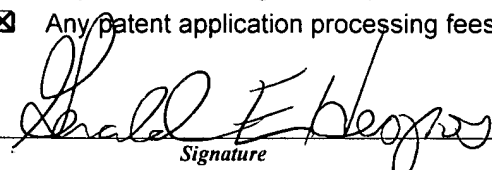
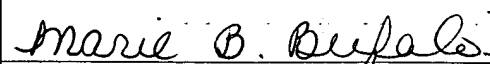


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AMENDMENT TRANSMITTAL LETTER (Large Entity)			Docket No. Faurecia-1		
Applicant(s): Eric Harwood					
Serial No. 09/997,645	Filing Date November 29, 2001	Examiner --	Group Art Unit --		
Invention: OPTIMAL RIB DESIGN METHOD FOR EXHAUST COMPONENTS					
 TO THE ASSISTANT COMMISSIONER FOR PATENTS:					
Transmitted herewith is an amendment in the above-identified application.			RECEIVED		
The fee has been calculated and is transmitted as shown below.			NOV 22 2002		
CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	8 -	20 =	0 x	\$18.00	\$0.00
INDEP. CLAIMS	2 -	3 =	0 x	\$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00
<p><input checked="" type="checkbox"/> No additional fee is required for amendment.</p> <p><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____</p> <p><input type="checkbox"/> A duplicate copy of this sheet is enclosed.</p> <p><input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 03-1030.</p> <p>A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.</p> <p><input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.</p>					
 Signature			Dated: November 12, 2002		
Gerald E. Hespos Atty. Reg. No. 30,066 Customer No. 001218 CASELLA & HESPOS LLP 274 Madison Avenue - Suite 1703 New York, NY 10016 Tel. (212) 725-2450 Fax (212) 725-2452			<div style="border: 1px solid black; padding: 5px;"> <p>I certify that this document and fee is being deposited on 11-12-02 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.</p> <p style="text-align: center;"></p> <p style="text-align: center;">Signature of Person Mailing Correspondence</p> <p style="text-align: center;">Marie B. Bufalo</p> <p style="text-align: center;">Typed or Printed Name of Person Mailing Correspondence</p> </div>		
cc:					



Atty. Ref.: Faurecia-1

2/A
PMB

12-3-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Eric Harwood
Appl. No. : 09/997,645
Filed : November 29, 2001
For : OPTIMAL RIB DESIGN METHOD FOR EXHAUST COMPONENTS

Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please amend the above-identified application.

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Technology Center 2100

IN THE CLAIMS:

Amend claim 1 as follows:

A/ 1. A method for designing a component of an exhaust system, the method comprising:

designing an original configuration for the exhaust system component; converting the configuration to a three-dimensional mesh; deforming the three-dimensional mesh to define an optimal theoretical shape for the exhaust system component to optimize natural frequencies of the exhaust system component; defining the three-dimensional mesh as a plurality of intersecting flat surfaces; projecting a two-dimensional point cloud onto the optimal theoretical shape; smoothing intersections of the flat surfaces between the points of the projected point cloud to define curves with a bend radius substantially